Claim Amendments and Listing of Claims:

Please amend claims 11-27 and add new claims 28-33 as follows:

1. (Canceled).
2. (Canceled).
3. (Canceled).
4. (Canceled).
5. (Canceled).
6. (Canceled).
7. (Canceled).
8. (Canceled).
9. (Canceled).
10. (Canceled).

11. (Currently amended) A printing data processor comprising:

a printing data memory ~~for storing~~ that stores printing data [[~~with~~]], the printing data being output from a host in the form of a page description language ~~form output from a host;~~ and corresponding to a plurality of pages; and

an editing process part ~~which, while editing, at every page,~~ that edits the printing data into intermediate ~~form in between the page description language form and printable bit map form,~~ data corresponding to the plurality of pages and generates page state information ~~indicating the state of the page based on the printing data output from the host~~ corresponding to the intermediate data,

wherein [[~~the~~]] a printing ~~data is judged~~ speed control of each of the plurality of pages is updated based on the page state information ~~and a printing process is performed~~.

12. (Previously presented) The printing data processor according to claim 11, wherein the editing process part has a page state information memory for storing the page state information corresponding to the page, wherein with respect to the page, a final page state

information stored in the page state information memory is added into the printing data with intermediate form.

13. (Previously presented) The printing data processor according to claim 12, wherein the page state information added into the printing data with intermediate form has the same form as the intermediate form.

14. (Previously presented) The printing data processor according to claim 11, wherein the page state information indicates whether color data or monochrome data is printed on the page.

15. (Previously presented) The printing data processor according to claim 11, wherein the editing process part has a decoding process part for separating the printing data output from the host into commands; and a command process part for executing a pre-process with respect to each command output from the decoding part.

16. (Previously presented) The printing data processor according to claim 11, wherein the printing data with intermediate form is printing data expressed by display list form.

17. (Previously presented) The printing data processor according to claim 11, further comprising:

a reading out part for reading out the page state information, in order to control a printing operation depending upon the page state information.

18. (Currently amended) [[~~A~~]] The printing data processor according to claim 11,~~comprising:~~

~~a printing data receiving part for receiving printing data output from a host;~~
~~a page state judgment part for judging the state of the printing data at every page based on received the printing data;~~

~~a plurality of usagewise separated register process parts respectively corresponding to judgment results of the page state judgment part; and~~

~~a selection process part which judges based on the judgment results of the page state judgment part and selects a most suitable one from the plurality of usagewise separated register process parts~~ wherein, based on said page state information, a proper process part is selected from said plurality of process parts.

19. (Currently amended) The printing data processor according to claim [[~~18,~~]] 11, further comprising:

a printing speed decision part for changing printing speed, ~~wherein~~ the printing speed decision part ~~decides~~ determining printing speed from a judgment result of the page state judgment part for one page being printed, and a judgment result of the page state judgment part for other page following the one page, according to a predetermined decision rule.

20. (Previously presented) The printing data processor according to claim 19, wherein the printing speed of color is slower than the printing speed of monochrome.

21. (Previously presented) The printing data processor according to claim 20, wherein following a monochrome printing, if a color printing will be performed, the printing speed of the monochrome printing is set by the printing speed of color.

22. (Previously presented) The printing data processor according to claim 18, wherein the page state judgment part judges whether the printing data is color data or monochrome data.

23. (Previously presented) The printing data processor according to claim 22, wherein if monochrome data and color data are intermingling in printing data of one page, the page state judgment part judges that the page is color data.

24. (Currently amended) The printing data processor according to claim [[~~18,~~]] 11, further comprising:

a system management part for judging the timing for expansively processing the printing data received from the host into printing data with bit map form; and

a bit map printing data memory for storing the printing data with bit map form,

wherein the system management part judges a memory use amount used for expanding the printing data to be expanded into printing data with bit map form, based on the judgment results of the page state judgment part; and selectively stores the printing data into either of the printing data memory and the bit map printing data memory, depending upon the memory use amount.

25. (Currently amended) The printing data processor according to claim [[~~24,~~]] 21, wherein the system management part, when it is judged that the memory use amount corresponding to the printing data is bigger, stores the printing data into the printing data memory; and when it is judged that the memory use amount corresponding to the printing data is smaller, stores the printing data with bit map form in expanded state into the printing data memory.

26. (Previously presented) The printing data processor according to claim 18, wherein the usagewise-separated register process part is provided in an expansion process part for expanding the edited printing data.

27. (Previously presented) The printing data processor according to claim 18, further comprising:

an expansion process part for expanding the printing data received, wherein the expansion process part expands the printing data into memory obtained based on a judgment result of the page state judgment part.

28. (New) A printing data processor comprising:

an editing process part that receives printing data in the form of a page description language from a host and that edits the received printing data into intermediate-form printing data which is between the form of a page description language and a printable bit image form;

an intermediate-form printing data memory for storing printing data of said intermediate-form; and

an expansion process part for expanding printing data of said intermediate-form to the bit image form,

wherein said editing process part includes a register process part for analyzing printing data of said intermediate-form edited page by page and adding page state data of each page to printing data of said intermediate-form edited page by page, and

wherein said expansion process part includes a plurality of usagewise-separated register process parts for respective reproduction modes of respective pages, and a selection process part for selecting a usagewise-separated register process part suitable for said page state from said plurality of usagewise-separated register process parts according to said page state data.

29. (New) A printing data processor according to Claim 28, further comprising a system management part for deciding timing of expanding printing data of said intermediate-form to printing data of said bit image form, and a bit image printing data memory for storing printing data of said bit image form,

wherein said system management part decides the amount of memory used to expand each piece of printing data of said intermediate-form to printing data of said bit image form for each page according to said page state data at printing on both sides or at printing of multi-page copies, and selectively stores printing data in said intermediate-form printing data memory and in said bit image printing data memory according to the amount of memory used.

30. (New) A printing data processor according to Claim 29, wherein said

system management part, when making a decision that the amount of memory used with printing data of said intermediate-form is relatively large, stores said printing data in intermediate-form in said intermediate-form printing data memory, and when making a decision that the amount of memory used is relatively small, stores said printing data, expanded to said bit image form, in said bit image printing data memory.

31. (New) A printing data processor according to Claim 28, further comprising a printing speed decision part for changing the printing speed of pages printed continuously, wherein said printing speed decision part decides the printing speed of pages printed, from the page state of a page to be printed and from the page state of another page immediately afterwards according to a predetermined decision rule.

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32. (New) A printing data processor comprising:

an editing process part for receiving printing data in the form of a page description language from a host and editing the received printing data into intermediate-form printing data which is between the form of a page description language and a printable bit image form, the editing process part being configured to analyze portion-printing-mode information corresponding to intermediate-form printing data and then generate page-memory-setting information which corresponds to the intermediate-form printing data;

an intermediate-form printing data memory for storing intermediate-form printing data; and

an expansion process part for expanding intermediate-form printing data to bit image form, the editing process part having an expansion-use memory that is adjusted based upon the page-memory-setting information.

33. (New) A printing data processor comprising:

an editing process part for receiving printing data in the form of a page

description language from a host and editing the received printing data into intermediate-form printing data which is between the form of a page description language and a printable bit image form, the editing process part including

(i) a register process part that detects page state data among the received printing data, page state data including, in increasing size in terms of memory, at least one of a monochrome binary type, a color binary type, a monochrome multi-binary type and a color multi-binary type, the register process part initially setting the page state data to correspond to the monochrome binary type and setting the page state data to correspond to the color binary type, the monochrome multi-binary type or the color multi-binary type only upon detection of one of those types so as to minimize a memory size used; and

(ii) a page state storage part that stores the page state data detected by the register process part after each page;

an intermediate-form printing data memory for storing intermediate-form printing data; and

an expansion process part for expanding intermediate-form printing data to bit image form.